

CLAIMS

1. A buoyancy compensator device, comprising an expandable air chamber and at least two outlets, one arranged in an upper region and one arranged in a lower region, characterized in that it comprises a manifold that connects said expandable air chamber
5 to said outlets by means of a control valve.

2. The device according to claim 1, characterized in that said outlets are each constituted by a one-way membrane.

3. The device according to claim 1 or 2, characterized in that it comprises a vest which constitutes said expandable air chamber and is provided with two shoulders that are
10 connected by adjustable straps to a lower band that surrounds the hips of the diver.

4. The device according to one or more of the preceding claims, characterized in that said expandable chamber can be filled with the mixture of breathable gas contained in the gas mix reserve of the self-contained breathing apparatus by a mechanical inflator that comprises an inlet that is connected to the reserve and is operated by a pushbutton
15 control.

5. The device according to one or more of the preceding claims, characterized in that said manifold is constituted by a tubular element that is provided with at least one upper one-way membrane, at least one lower one-way membrane, and at least one lateral one-way membrane, which is arranged in one of the ends of said lower band, one of which
20 comprises said pushbutton inflation control and a control pushbutton that actuates said control valve.

6. The device according to one or more of the preceding claims, characterized in that said manifold is constituted by a tubular element that is provided with at least one upper one-way membrane, at least one lower one-way membrane and at least one lateral one-way membrane, which is arranged at the end of a corrugated hose, which is associated
25 with said expandable chamber and accommodates part of said manifold, said part being constituted by a tubular element.

7. The device according to one or more of the preceding claims, characterized in that said end of said corrugated hose comprises said pushbutton inflation control and a
30 control pushbutton that actuates said control valve, which is also arranged in said end.

8. The device according to one or more of the preceding claims, characterized in that said manifold is constituted by a central body and by tubular elements that are connected respectively to at least one upper one-way membrane, to at least one lower one-way membrane, and to at least one lateral one-way membrane, which is arranged at one end of said lower band.

9. The device according to claim 8, characterized in that said end comprises said pushbutton inflation control and an actuation pushbutton that actuates said control valve by means of a servo control.

10. The device according to one or more of the preceding claims, characterized in that said control valve is located at said central body and is actuated by a pneumatic servo control that is supplied, through a duct, by the gas mix that arrives from the reserve through said control pushbutton.

11. The device according to one or more of the preceding claims, characterized in that said manifold is provided on the inside of said vest.

12. The device according to one or more of the preceding claims, characterized in that said manifold is provided on the outside of said vest.

13. The device according to one or more of the preceding claims, characterized in that said manifold is shaped like a tube and is separate from the vest.

14. The device according to one or more of the preceding claims, characterized in that said manifold is constituted by portions of said vest.

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